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Specific gene expression of ATP-binding cassette transporters and nuclear

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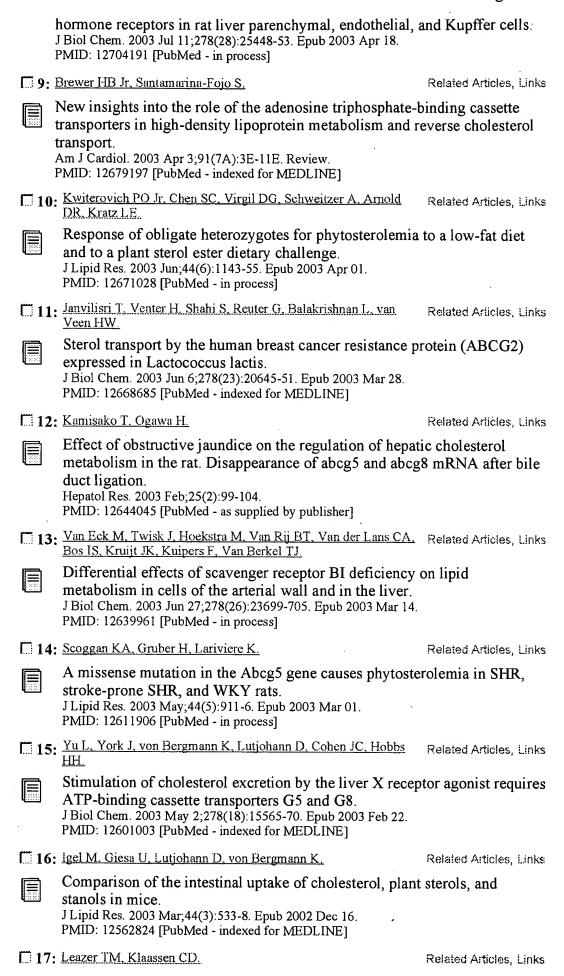
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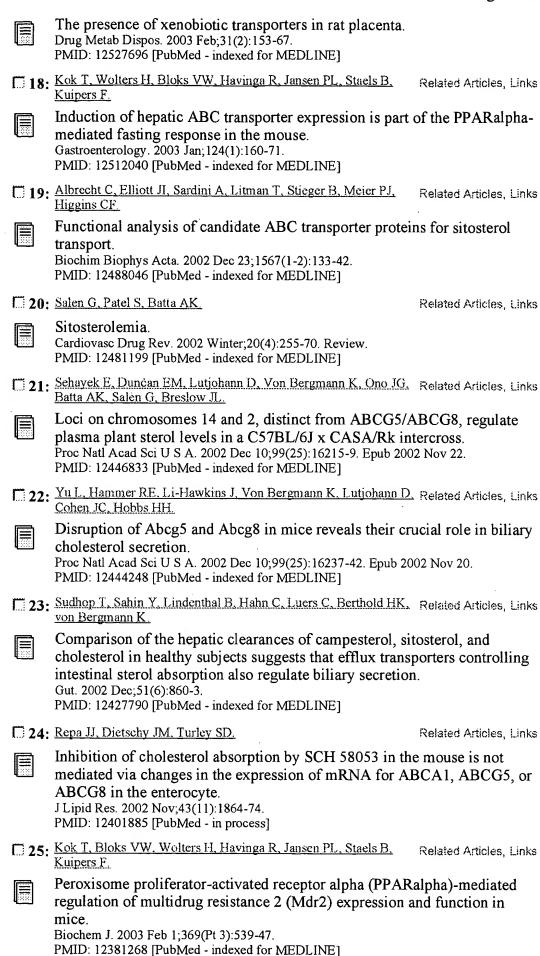
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26: Burris TP, Eacho PI, Cao G. Related Articles, Links Genetic disorders associated with ATP binding cassette cholesterol Mol Genet Metab. 2002 Sep-Oct;77(1-2):13-20. Review. PMID: 12359125 [PubMed - indexed for MEDLINE] 27: Weggemans RM, Zock PL, Tai ES, Ordovas JM, Molhuizen HO, Related Articles, Links Katan MB. ATP binding cassette G5 C1950G polymorphism may affect blood cholesterol concentrations in humans. Clin Genet. 2002 Sep;62(3):226-9. PMID: 12220438 [PubMed - indexed for MEDLINE] 28: Yu L, Li-Hawkins J, Hammer RE, Berge KE, Horton JD, Cohen Related Articles, Links JC, Hobbs HH. Overexpression of ABCG5 and ABCG8 promotes biliary cholesterol secretion and reduces fractional absorption of dietary cholesterol. J Clin Invest. 2002 Sep;110(5):671-80. PMID: 12208868 [PubMed - indexed for MEDLINE] 1 29: Graf GA, Li WP, Gerard RD, Gelissen I, White A, Cohen JC, Related Articles, Links Hobbs HH. Coexpression of ATP-binding cassette proteins ABCG5 and ABCG8 permits their transport to the apical surface. J Clin Invest. 2002 Sep;110(5):659-69. PMID: 12208867 [PubMed - indexed for MEDLINE] 130: Remaley AT, Bark S, Walts AD, Freeman L, Shulenin S, Annilo T, Related Articles, Links Elgin E, Rhodes HE, Joyce C, Dean M, Santamarina-Fojo S, Brewer HB Jr. Comparative genome analysis of potential regulatory elements in the ABCG5-ABCG8 gene cluster. Biochem Biophys Res Commun. 2002 Jul 12;295(2):276-82. PMID: 12150943 [PubMed - indexed for MEDLINE] 131: Heimer S, Langmann T, Moehle C, Mauerer R, Dean M, Beil FU, Related Articles, Links von Bergmann K. Schmitz G. Mutations in the human ATP-binding cassette transporters ABCG5 and ABCG8 in sitosterolemia. Hum Mutat. 2002 Aug;20(2):151. PMID: 12124998 [PubMed - indexed for MEDLINE] 132: lida A, Saito S, Sekine A, Mishima C, Kitamura Y, Kondo K, Related Articles, Links Harigae S, Osawa S, Nakamura Y. Catalog of 605 single-nucleotide polymorphisms (SNPs) among 13 genes encoding human ATP-binding cassette transporters: ABCA4, ABCA7, ABCA8, ABCD1, ABCD3, ABCD4, ABCE1, ABCF1, ABCG1, ABCG2, ABCG4, ABCG5, and ABCG8. J Hum Genet. 2002;47(6):285-310. PMID: 12111378 [PubMed - indexed for MEDLINE] 133: Plosch T, Kok T, Bloks VW, Smit MJ, Havinga R, Chimini G, Related Articles, Links Groen AK, Kuipers F. Increased hepatobiliary and fecal cholesterol excretion upon activation of the liver X receptor is independent of ABCA1. J Biol Chem. 2002 Sep 13;277(37):33870-7. Epub 2002 Jul 08. PMID: 12105210 [PubMed - indexed for MEDLINE] 34: Fitzgerald ML, Moore KJ, Freeman MW. Related Articles, Links Nuclear hormone receptors and cholesterol trafficking: the orphans find a



new home.

J Mol Med. 2002 May;80(5):271-81. Epub 2002 Mar 07. Review.

PMID: 12021839 [PubMed - indexed for MEDLINE]

135: Lu K, Lee MH, Yu H, Zhou Y, Sandell SA, Salen G, Patel SB.

Related Articles, Links

Molecular cloning, genomic organization, genetic variations, and characterization of murine sterolin genes Abcg5 and Abcg8.

J Lipid Res. 2002 Apr;43(4):565-78.

PMID: 11907139 [PubMed - indexed for MEDLINE]

1 36: Repa JJ, Berge KE, Pomajzl C, Richardson JA, Hobbs H, Mangelsdorf DJ.

Related Articles, Links

Regulation of ATP-binding cassette sterol transporters ABCG5 and ABCG8 by the liver X receptors alpha and beta.

J Biol Chem. 2002 May 24;277(21):18793-800. Epub 2002 Mar 18.

PMID: 11901146 [PubMed - indexed for MEDLINE]

37: Berge KE, von Bergmann K, Lutjohann D, Guerra R, Grundy SM. Related Articles, Links Hobbs HH, Cohen JC.



Heritability of plasma noncholesterol sterols and relationship to DNA sequence polymorphism in ABCG5 and ABCG8.

J Lipid Res. 2002 Mar; 43(3):486-94.

PMID: 11893785 [PubMed - indexed for MEDLINE]

38: Lam CW, Cheng AW, Tong SF, Chan YW.

Related Articles, Links

Novel donor splice site mutation of ABCG5 gene in sitosterolemia.

Mol Genet Metab. 2002 Feb;75(2):178-80.

PMID: 11855938 [PubMed - indexed for MEDLINE]

739: Ordovas JM, Tai ES.

Related Articles, Links



The babel of the ABCs: novel transporters involved in the regulation of sterol absorption and excretion.

Nutr Rev. 2002 Jan;60(1):30-3. Review.

PMID: 11843001 [PubMed - indexed for MEDLINE]

1 40: Hubacek JA, Berge KE, Cohen JC, Hobbs HH.

Related Articles, Links



Mutations in ATP-cassette binding proteins G5 (ABCG5) and G8 (ABCG8) causing sitosterolemia.

Hum Mutat. 2001 Oct; 18(4):359-60.

PMID: 11668628 [PubMed - indexed for MEDLINE]

41: Schmitz G, Langmann T, Heimerl S.

Related Articles, Links



Role of ABCG1 and other ABCG family members in lipid metabolism.

J Lipid Res. 2001 Oct;42(10):1513-20. Review.

PMID: 11590207 [PubMed - indexed for MEDLINE]

42: Lu K, Lee MH, Patel SB.

Related Articles, Links



Dietary cholesterol absorption; more than just bile.

Trends Endocrinol Metab. 2001 Sep;12(7):314-20. Review.

PMID: 11504671 [PubMed - indexed for MEDLINE]

13: Lu K. Lee MH. Hazard S. Brooks-Wilson A. Hidaka H. Kojima H. Related Articles, Links Ose L. Stalenhoef AF, Mictionen T. Bjorkhem I. Bruckert E. Pandya A. Brewer HB Jr. Salen G. Dean M. Srivastava A. Patel SB



Two genes that map to the STSL locus cause sitosterolemia: genomic structure and spectrum of mutations involving sterolin-1 and sterolin-2, encoded by ABCG5 and ABCG8, respectively.

Am J Hum Genet. 2001 Aug;69(2):278-90. Epub 2001 Jul 09.

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PMID: 11452359 [PubMed - indexed for MEDLINE] 44: Shulenin S, Schriml LM, Remaley AT, Fojo S, Brewer B, Related Articles, Links Allikmets R, Dean M. An ATP-binding cassette gene (ABCG5) from the ABCG (White) gene subfamily maps to human chromosome 2p21 in the region of the Sitosterolemia locus. Cytogenet Cell Genet. 2001;92(3-4):204-8. PMID: 11435688 [PubMed - indexed for MEDLINE] 45: Lee MH, Lu K, Patel SB. Related Articles, Links Genetic basis of sitosterolemia. Curr Opin Lipidol. 2001 Apr;12(2):141-9. Review. PMID: 11264985 [PubMed - indexed for MEDLINE] 46: Breytenbach U, Clark A, Lamprecht J, Bouic P. Related Articles, Links Flow cytometric analysis of the Th1-Th2 balance in healthy individuals and patients infected with the human immunodeficiency virus (HIV) receiving a plant sterol/sterolin mixture. Cell Biol Int. 2001;25(1):43-9. PMID: 11237407 [PubMed - indexed for MEDLINE] 47: Lee MH, Lu K, Hazard S, Yu H, Shulenin S, Hidaka H, Korima H. Related Articles, Links Allikmets R, Sakuma N, Pegoraro R, Srivastava AK, Salen G, Dean M, Patel SB. Identification of a gene, ABCG5, important in the regulation of dietary cholesterol absorption. Nat Genet. 2001 Jan;27(1):79-83. PMID: 11138003 [PubMed - indexed for MEDLINE] 1 48: Berge KE, Tian H, Graf GA, Yu L, Grishin NV, Schultz J, Related Articles, Links Kwiterovich P. Shan B. Barnes R. Hobbs HH. Accumulation of dietary cholesterol in sitosterolemia caused by mutations in adjacent ABC transporters. Science. 2000 Dec 1;290(5497):1771-5.

PMID: 11099417 [PubMed - indexed for MEDLINE]

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